

## Louisville Metro Air Pollution Control District

### Excess Emission Event Reports

January 1, 2019 to January 31, 2019

#### Plant 11: American Synthetic Rubber Co, Div Michelin North A, 4500 CAMP GROUND RD (Hansen Project #O-0011)

**Review No:** 1939340    **Started:** 1/25/2019 at 5:00 pm    **Stopped:**    **Logged:** 1/25/2019 at 6:07 pm

**Problem Description:**    **Pollutant:** VOLATILE ORGANIC COMPOUNDS

A pipe break has released greater than 150 gallons of polymer m-cyclohexane solvent.

**Reported:** 1/25/2019 at 6:07 pm    **Status:** Open

*1 Problem(s) Reported by American Synthetic Rubber Co, Div Michelin North A*

#### Plant 28: Hexion, Inc., 6200 CAMP GROUND RD (Hansen Project #O-0028)

**Review No:** 1939129    **Started:** 1/11/2019 at 7:57 am    **Stopped:** 1/11/2019 at 8:03 am    **Logged:** 1/11/2019 at 8:37 am

**Problem Description:**    **Pollutant:** VOLATILE ORGANIC COMPOUNDS

The Silver Plant Boiler went down on a safety shutdown for low water. The water level was checked and was okay, so the boiler was immediately restarted. Source reports that they plan to shutdown in February and will investigate further, but will modify the process to attempt to prevent the safety shutdown.

**Reported:** 1/11/2019 at 8:37 am    **Status:** EXISTINC

**Review No:** 1939162    **Started:** 1/15/2019 at 8:13 pm    **Stopped:** 1/15/2019 at 8:40 pm    **Logged:** 1/15/2019 at 9:08 pm

**Problem Description:**    **Pollutant:** VOLATILE ORGANIC COMPOUNDS

The PF-1 RTO went down due to a safety shutdown for a high Lower Explosive Limit. LEL was cleared and unit was restarted. Source determined that water was not sufficiently drained from the system and that they would increase the frequency of the automatic draining from every 12 hours to every 4 hours.

**Reported:** 1/15/2019 at 9:08 pm    **Status:** EXISTINC

**Review No:** 1939180    **Started:** 1/16/2019 at 8:41 am    **Stopped:** 1/16/2019 at 8:47 am    **Logged:** 1/16/2019 at 9:15 am

**Problem Description:**    **Pollutant:** VOLATILE ORGANIC COMPOUNDS

C6 Silver Plant Boiler went down due to flame loss. . Source reports that they plan to shutdown in February and will investigate further, but will modify the process to attempt to prevent the safety shutdown.

**Reported:** 1/16/2019 at 9:15 am    **Status:** EXISTINC

**Review No:** 1939200    **Started:** 1/16/2019 at 3:40 pm    **Stopped:** 1/16/2019 at 4:27 pm    **Logged:** 1/16/2019 at 4:02 pm

**Problem Description:**    **Pollutant:** VOLATILE ORGANIC COMPOUNDS

The PF-1 RTO went down due to the LEL Meter faulting. LEL was cleared and unit was restarted. Source determined that water was not sufficiently drained from the system and that they would increase the frequency of the automatic draining from every 12 hours to every 4 hours.

**Reported:** 1/16/2019 at 4:02 pm    **Status:** EXISTINC

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**Review No:** 1939240      **Started:** 1/21/2019 at 6:29 am      **Stopped:** 1/23/2019 at 4:09 pm      **Logged:** 1/21/2019 at 6:51 am

**Problem Description:**

**Pollutant:** VOLATILE ORGANIC COMPOUNDS

The PF-1 RTO went down for high pressure due to a frozen flame arrestors. The flame arrestor heating system installed last year is on and functioning. Source determined that the flame arrestor freeze protection by heat tracing that was installed last year is insufficient. The company has temporarily implemented blowing steam directly on the flame arrestors within the insulated blankets. The long term fix is removable hard insulation with new heat tracing that will include tracing the top and bottom of the cones of the flame arrestors. The company is also reviewing the need to keep the fresh air vent open to 25%, and setting it at a lower opening to reduce cold air introduction just before the knockout pots.

As of 1/23/2019, the pots are manually drained twice per shift and auto drained via an update to the drainage program to every two hours and work has been done to the drain line of the knockout pot to prevent it from freezing by running a steam line into the drain. Source is working to determine if a different LEL meter would work better on this process.

**Reported:** 1/21/2019 at 6:51 am

**Status:** EXISTINC

**Review No:** 1939241      **Started:** 1/21/2019 at 9:46 pm      **Stopped:** 1/21/2019 at 10:13 pm      **Logged:** 1/21/2019 at 10:37 pm

**Problem Description:**

**Pollutant:** VOLATILE ORGANIC COMPOUNDS

The PF-1 RTO went down due to a high LEL. An RCA will be held. See review number 1939240 for more details.

**Reported:** 1/21/2019 at 10:37 pm

**Status:** EXISTINC

**Review No:** 1939242      **Started:** 1/21/2019 at 10:55 pm      **Stopped:** 1/21/2019 at 11:19 pm      **Logged:** 1/21/2019 at 11:39 pm

**Problem Description:**

**Pollutant:** VOLATILE ORGANIC COMPOUNDS

The PF-1 RTO went down due to high LEL. See review number 1939240 for more details.

**Reported:** 1/21/2019 at 11:39 pm

**Status:** DONE

**Review No:** 1939306      **Started:** 1/30/2019 at 3:40 pm      **Stopped:**      **Logged:** 1/25/2019 at 11:59 am

**Problem Description:**

**Pollutant:** VOLATILE ORGANIC COMPOUNDS

Planned Silver Plant shutdown set for 2/2/2019 to perform catalyst change, maintenance activities, pressure relief valve testing, and investigation of blowdown outage causes.

**Reported:** 1/25/2019 at 11:59 am

**Status:** Open

**Review No:** 1939399      **Started:** 1/30/2019 at 4:52 am      **Stopped:** 1/30/2019 at 5:18 am      **Logged:** 1/30/2019 at 5:42 am

**Problem Description:**

**Pollutant:** VOLATILE ORGANIC COMPOUNDS

The WWT RTO went down due to high temperature. Source added insulation to the RTO gas line and is monitoring valve operation. They reported that no excess emissions occurred during this event.

**Reported:** 1/30/2019 at 5:42 am

**Status:** DONE

**Review No:** 1939400      **Started:** 1/30/2019 at 6:49 am      **Stopped:** 1/30/2019 at 3:40 pm      **Logged:** 1/30/2019 at 7:35 am

**Problem Description:**

**Pollutant:** VOLATILE ORGANIC COMPOUNDS

The C6 Silver Plant Boiler went down for an unknown cause.

**Reported:** 1/30/2019 at 7:35 am

**Status:** Open

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**Review No:** 1939410      **Started:** 1/30/2019 at 11:02 am      **Stopped:** 1/30/2019 at 11:07 am      **Logged:** 1/30/2019 at 11:54 am

**Problem Description:**

**Pollutant:** VOLATILE ORGANIC COMPOUNDS

The WWTP RTO went offline due to a high temperature reading. Source added insulation to the RTO gas line and is monitoring valve operation. They reported that no excess emissions occurred during this event.

**Reported:** 1/30/2019 at 11:54 am

**Status:** DONE

*11 Problem(s) Reported by Hexion, Inc.*

#### Plant 36: Clariant Corporation - West Plant, 1227 S 12TH ST (Hansen Project #O-0036)

**Review No:** 1939003      **Started:** 12/25/2018 at 8:45 am      **Stopped:** 12/25/2018 at 9:05 am      **Logged:** 1/4/2019 at 4:33 pm

**Problem Description:**

**Pollutant:** NITROGEN OXIDES

Source reported a Visible NOx plume and shut down equipment as soon as could safely be done. A follow-up report listed several actions the company is investigating several actions to prevent the re-occurrence, including adding metering devices to a pump and installing anti-siphon devices.

**Reported:** 12/25/2018 at 9:10 am

**Status:** EXISTINC

*1 Problem(s) Reported by Clariant Corporation - West Plant*

#### Plant 60: Kosmos Cement Co., Inc., 15301 DIXIE HWY (Hansen Project #O-0060)

**Review No:** 1939286      **Started:** 1/23/2019 at 6:28 pm      **Stopped:** 1/23/2019 at 6:45 pm      **Logged:** 1/24/2019 at 7:13 am

**Problem Description:**

**Pollutant:** PARTICULATE MATTER PM

The company reported an excess emission event on the 1321 Dust Collector and the 1141 Mill. The equipment was shut down as soon as possible.

**Reported:** 1/23/2019 at 7:26 pm

**Status:** Open

*1 Problem(s) Reported by Kosmos Cement Co., Inc.*

#### Plant 72: Ford Motor Company - LAP, 2000 FERN VALLEY RD (Hansen Project #O-0072)

**Review No:** 1939244      **Started:** 1/22/2019 at 5:30 am      **Stopped:** 1/22/2019 at 11:26 am      **Logged:** 1/22/2019 at 8:45 am

**Problem Description:**

**Pollutant:** VOLATILE ORGANIC COMPOUNDS

Source reported that a control device went down due to the failure of a burner to light. They determined that a damaged wire caused a short circuit and replaced the wire.

**Reported:** 1/22/2019 at 6:30 am

**Status:** DONE

*1 Problem(s) Reported by Ford Motor Company - LAP*

#### Plant 149: Metropolitan Sewer District, 4522 ALGONQUIN PKY (Hansen Project #O-0149)

**Review No:** 1939245      **Started:** 1/18/2019 at 10:15 am      **Stopped:** 1/18/2019 at 12:45 pm      **Logged:** 1/22/2019 at 8:31 am

**Problem Description:**

**Pollutant:** HYDROGEN SULFIDE

Source reported that a fan to the odor control unit shut down unexpectedly. An electrician reset a tripped circuit breaker and the equipment was restarted. Source monitored during the outage and all reading reported 0 ppm hydrogen sulfide.

**Reported:** 1/18/2019 at 2:14 pm

**Status:** DONE

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